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Application Number	10/714,631
Confirmation Number	3244
Filing Date	November 18, 2003
First Named Inventor	Jin-seung SOHN
Art Unit	2632 2627
Examiner Name	Brian E. MILLER
Attorney Docket Number	Q78520

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Examiner Signature

Date Considered

5/12/66

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number

Confirmation Number

Unknown

Filing Date

January 08, 2003

First Named Inventor

Jin-seung SOHN

Art Unit

2627 (Parent) 2627

Examiner Name

G. Letcher (Parent) B. Miller

Attorney Docket Number

Q73758

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
B		US 5,130,870 ✓		07/92	JABBARI
		US 5,537,272 ✓		07/96	KAZMIERCZAK et al.
		US 3,410,154 ✓		11/12/1968	DEAKIN
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B		US 5,177,731 ✓		01/05/1993	Shinsaku TANAKA et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
B		EP	0 829 872 ✓	A2	03/18/1998		
		WO	98/03974 ✓		01/29/1998		
		JP	62-24052 ✓		02/87		
		JP	1-243604 ✓		09/98		
		JP	11-4558 ✓		01/99		
		EP	0 434 270 ✓	A2	06/26/1991		
		JP	2-139758 ✓		05/29/1990		
		JP	3-86968 ✓		04/11/1991		
		JP	10-83622 ✓		03/31/1998		
		JP	10-92094 ✓		04/10/1998		
		JP	58-133673 ✓		08/09/1983	NEC CORP	
		WO	93/23687 ✓		11/25/1993	Gary TAYLOR et al.	
B		CN	1089700 ✓	A	07/20/1994		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
B		PATENT ABSTRACTS OF JAPAN, vol. 014, no. 376 (P-1092), 8/14/90 & JP 02 139758 A (CANON INC) 5/29/90 *abstract	
B		PATENT ABSTRACTS OF JAPAN, vol. 015, no. 266 (P-1223) 7/5/91 & JP 03 086968 A (FUJITSU LTD) 4/11/91 *abstract	
		Transactions of the Japan Society of Mechanical Engineers, June 1979, pp. 645-652	

Examiner Signature

B. Miller

Date Considered

5/12/06

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of

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Complete if Known

Application Number	10/337,869
Confirmation Number	Unknown
Filing Date	January 8, 2003
First Named Inventor	Jin-seung SOHN
Art Unit	2653 (Parent)
Examiner Name	G. Letscher (Parent)
Attorney Docket Number	Q73758

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
<i>B</i>		US 3,652,235 ✓	A	3/1972	MANILLA et al.
		US 4,674,356 ✓	A	6/1987	KILGORE
		US 5,256,037 ✓	A	10/1993	CHATELAIN
		US 5,352,947 ✓	A	10/1994	MACLEOD
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		US 6,005,749 ✓	A	12/1999	IKUTA et al.
		US 6,065,368 ✓	A	5/2000	SOHN
		US 4,808,441 ✓		2/1989	CHATTHA et al.
		US 6,198,715 ✓	B1	3/2001	KOUNO et al.
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<i>B</i>		US 6,388,981 ✓	B1	5/2002	SOHN et al.

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Application Number	10/337,869
Confirmation Number	Unknown
Filing Date	January 8, 2003
First Named Inventor	Jin-seung SOHN
Art Unit	2653 (Parent)
Examiner Name	G. Letscher (Parent)
Attorney Docket Number	Q73758

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ²	Number ³	Kind Code ³ (if known)			
		WO	82/04363 ✓		12/1982		Abstract
		JP	11-113213 ✓		4/1999		Abstract
		EP	0 836 185 ✓	A2	4/1998		Yes
		JP	59-112402 ✓	A	6/1984		Abstract
		JP	11-39787 ✓	A	2/1999		Abstract
		JP	11-154371 ✓	A	6/1999		Abstract
		JP	11-203776 ✓	A	7/1999		Abstract
		JP	11-206067 ✓	A	7/1999		Abstract
		JP	11-275805 ✓	A	10/1999		Abstract
		JP	11-025585 ✓	A	1/1999		Abstract
		JP	11-086428 ✓	A	3/1999		Abstract
		JP	11-069707 ✓	A	3/1999		Abstract
		JP	11-096660 ✓	A	4/1999		Abstract
		JP	10-208374 ✓	A	8/1998		Abstract
		JP	11-098759 ✓	A	4/1999		Abstract
		JP	10-309059 ✓	A	11/1998		Abstract

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		Transactions of the Japan Society of Mechanical Engineers, June 1979, pp. 645-652	

Examiner Signature		Date Considered	5/12/06
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